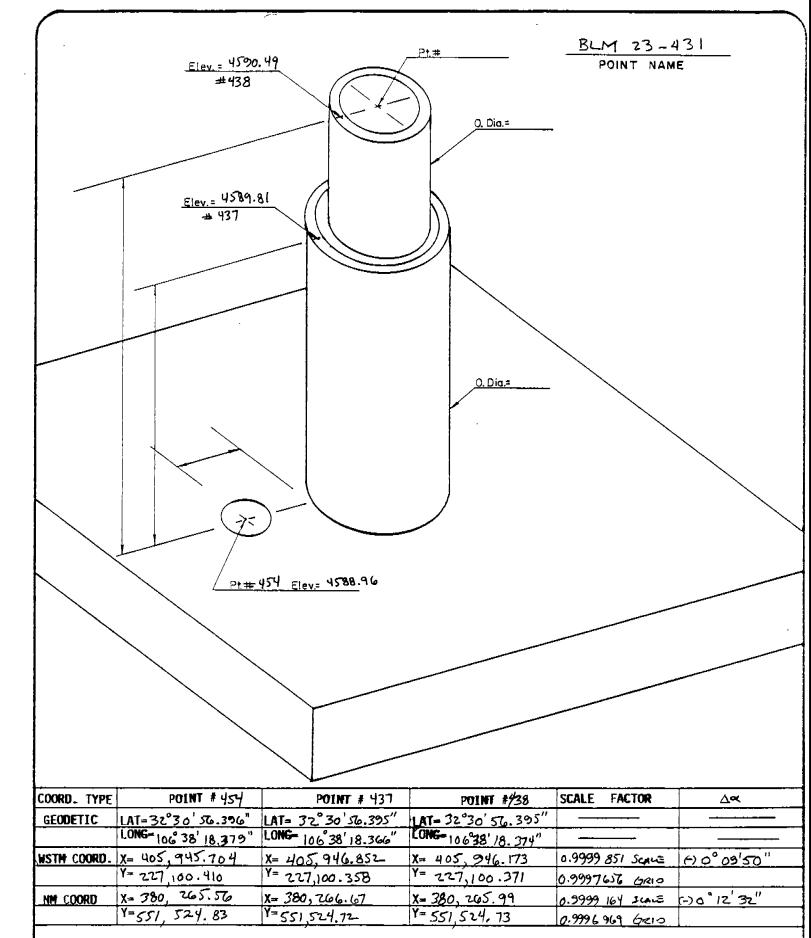
Pat Pri

MONITOR WELL PRE-SPUD PROPOSAL

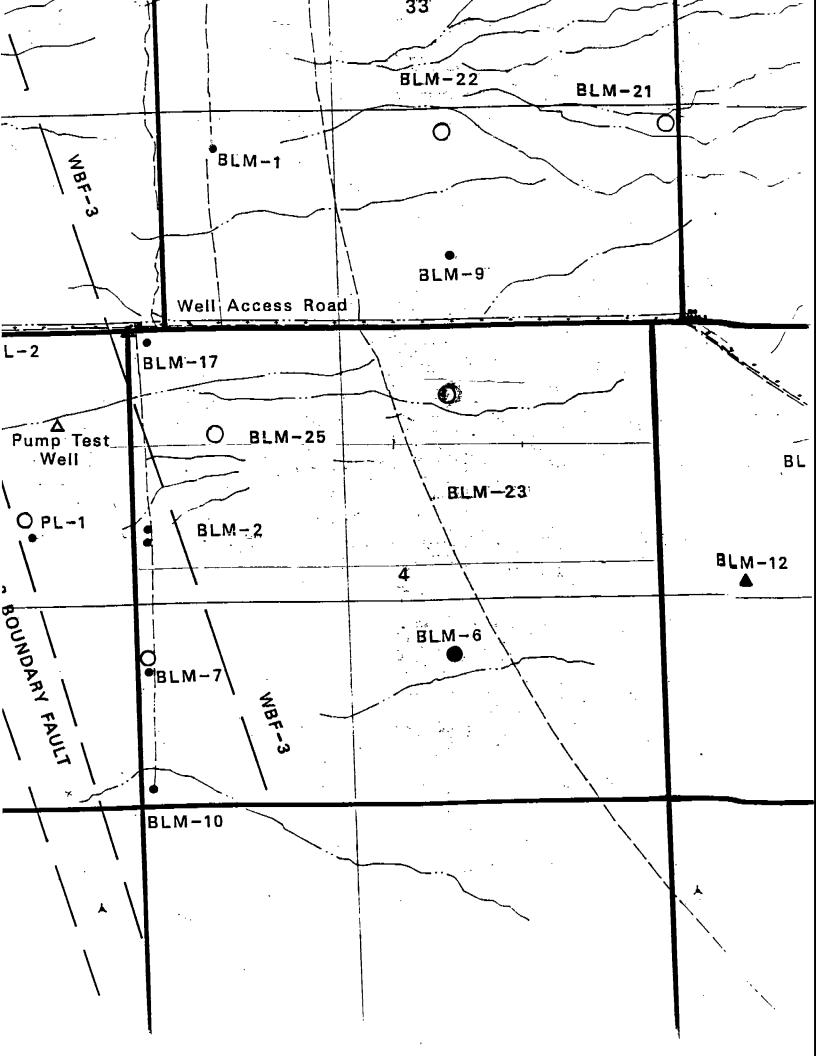
`	POSED LOCATION: (a) General (on or off-site) Off-site ch map Site Area BLM Land				
(b)	Sect 4 Twnshp 21S Rng 3E	ي .			
WEL	L PARAMETERS:				
(a)	Est. total depth 500 (ft) (b)	Est. ground el	levation <u>@4588</u>	f	
(c)	Anticipated stratigraphy:				
	Alluvium (Santa Fe Group)	from 0	' to <u>345</u>	_' (depth)	
	Ash-flow Tuff	from <u>345</u>	' to <u>TD</u>	_' (depth)	
(d)	Anticipated water bearing horizon(s):	•			
	Ash-flow Tuff		at <u>470</u>	_' (depth)	
	Ash-tlow Tuff				
	Anticipated static water level 370 '(de	epth) and table if r	at		
WEL To do	Anticipated static water level 370 '(de	epth) and table if rest for saturate	at		
WEL To do to the	Anticipated static water level 370 (de L PURPOSE/JUSTIFICATION (attach maps etermine internal plume characteristics and testis location.	epth) and table if rest for saturates	at needed): d alluium	' (depth)	



NM COORDINATE ZONE CENTRAL

BOTSFORD LAND SURVEYING, INC.

212 S. Downtown Mail LAS CRUCES, NM 88001 Phone 526-2444



	(b)	Lithchagy sampling - collect sample every:					
		5' intervals Method Grab from 0 'to TD '(depth)					
		Core type 6" Dennison from' to' (depth)					
		2" Christiansen from 470 'to 480 '(depth)					
	(c)	Anticipated drilling additive(s): E-Z mud					
7)	PROPOSED WELL COMPLETION DESIGN/MATERIALS						
	(a)	Casing: <u>Material Diameter From To Comments</u> Temporary					
		Surface					
		Screen (10') Stainless ++ 4" To be determined 0.02" from Geophysical					
		Completion Pipe stainless + 4"					
	(b)	Standard material: Blank riser, silt trap, locking cap N/A Data not available at this time * for deep completions (450 feet or more) ** for shallow completions + Type 304, Schedule 5 stainless steel Type 304, Schedule 10 stainless steel ++ Regular strength screen, extra strength screen used below 450 feet Filter pack: Standard 8/20 and 16/40 sand and bentonite plug(s), grout to surface.					
0)	, ,						
8)		OSED WELL DEVELOPMENT					
	(a)	Surge and bail with surge block and bailer.					
	(b)	Pump with submersible pump until parameters stabilize.					
9)	WELI	AUTHORIZATION					
	(a)	Proposed by Geoscience Consultants, Ltd.					
	(b)	Authorized Robert Mitchell NASA (representing) (signature)					